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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVIII, No. 5 — May, 1970

Production of crude oil and condensate from the oil and gas areas of Montana for the month of May, 1970, averaged 106,418 barrels daily, an increase of 4,402 barrels from the average April, 1970 production of 102,016.

The nine refineries in the state processed 85,148 barrels of crude oil daily for the month of May, 1970, a decrease of 18,312 barrels from the 103,460 barrels processed daily during the month of April, 1970.

During May 46 wells were completed, 5 oil, 6 gas and 35 dry holes.

During May the commission issued 37 permits to drill new wells, a decrease of 9 from the 46 permits issued during April.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF MAY, 1970

IN STORAGE MAY 1st	
By Producers	392,877
By Transporters	1,372,996
By Refiners	750,542
TOTAL STORAGE	2,516,415
Produced in Montana During Month	3,298,973
Imported During Month	2,017,562
TOTALS	7,832,950
DISPOSITION:	
Refined in Montana	2,639,576
Exported	2,067,661
Used for Fuel or Lost	9,426
TOTAL	4,716,663
IN STORAGE MAY 31st	
By Producers	387,741
By Transporters	1,651,855
By Refiners	1,076,691
TOTAL STORAGE	3,116,287

NATURAL GAS WITHDRAWALS IN MONTANA

Month of May, 1970

Field	M. Cu. Ft.
Bears Den	0
Bell Creek	369,114
Big Coulee	53,202
Blackjack	44,924
Bowdoin	91,357
Bowes	34,162
Box Elder	0
Cabin Creek	103,743
Cedar Creek	70,388
Clarks Fork South	0
Cut Bank (Including Reagan)	539,076
Devon	0
Dry Creek	30,798
Elk Basin	80,133
Flat Coulee	18,571
Gold Butte	6,142
Golden Dome	0
Grandview	31,630
Hardin	2,548
Keith Block	63,027
Kevin Sunburst	24,309
Lake Basin	50,740
Middle Butte	1,658
Mt. Lilly	11,554
Pine	59,620
Plevna	4,021
Squaw Coulee	75,503
Tiger Ridge	41,753
Utopia	72,200
Whitlash	64,824
Miscellaneous	213,178
TOTAL	2,158,175

Total withdrawals for May 1969 were 2,871,018

PRODUCERS REPORT—MONTH OF MAY, 1970

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	505	2,539	—	2,523	—	521
2	Bainville	2	1,776	6,955	—	6,387	—	2,344
1	Bannatyne	1	573	201	201	—	—	573
1	Bascom	1	95	29	—	—	—	124
4	Bear's Den	5	1,817	1,019	—	1,030	—	1,806
65	Bell Creek	383	70,684	703,238	709,850	—	3,671	60,401
	Benrud	—	244	—	—	—	—	244
2	Benrud East	2	1,406	16,549	16,867	—	—	1,088
1	Benrul Northeast	1	1,021	2,762	3,114	—	—	669
1	Berthelote	1	638	—	409	—	—	229
6	Big Wall	15	1,252	11,773	10,683	—	—	2,342
5	Blackfoot	7	1,385	3,775	4,278	—	—	882
5	Border	5	550	1,335	—	1,429	—	456
1	Bowes	55	6,053	12,724	14,820	—	—	3,957
1	Bradley	1	846	689	1,184	—	—	351
2	Brady	2	296	504	504	—	—	296
4	Brorson-Madison	4	1,391	6,278	6,015	—	—	1,654
6	Brorson-Red River	6	4,975	22,112	—	23,222	—	3,865
2	Brorson-Red River South	3	1,721	14,023	—	12,875	—	2,869
4	Brush Lake	4	1,829	36,362	36,590	—	—	1,601
2	Cabin Creek	95	—	315,091	315,091	—	—	—
12	Cat Creek	57	2,096	14,714	11,863	2,048	—	2,899
1	Clark's Fork	1	13	154	—	—	—	167
2	Conrad South	2	662	1,426	1,426	—	—	662
1	Cow Creek	1	425	464	720	—	—	169
2	Culbertson	2	1,254	4,275	—	4,914	—	615
2	Cupton	2	2,240	2,725	—	2,167	—	2,798
143	Cut Bank	891	64,139	444,542	443,514	—	780	64,387
	Dean Dome	—	65	—	—	—	—	65
1	Deer Creek	1	477	1,475	1,333	—	—	619
1	Delphia	1	133	406	—	412	—	127
	Devil's Basin	—	671	—	—	—	—	671
3	Dwyer	14	4,590	29,485	29,055	—	—	5,020
4	Elk Basin	55	1,714	172,489	172,775	—	—	1,428
5	Elk Basin Northwest	14	9,141	12,093	12,551	—	—	8,683
8	Fairview	9	11,306	45,951	46,956	—	19	10,282
2	Fertile Prairie	2	819	1,413	—	1,383	—	849
9	Flat Coulee	27	5,391	10,563	11,166	—	—	4,788
42	Flat Lake	61	7,592	71,529	71,217	—	109	7,795
4	Flat Lake South	4	1,087	6,295	6,535	—	—	847
1	Frannie	1	—	620	620	—	—	—
18	Fred & George Creek	40	1,821	42,314	41,389	—	—	2,746
1	Gage	1	63	166	—	200	—	29
	Gage Southwest	—	30	—	—	—	—	30
3	Gas City	17	7,987	22,862	16,921	4,906	399	8,623
2	Girard	2	1,927	6,062	—	6,149	—	1,840
11	Glendive	15	2,261	30,773	25,259	4,507	—	3,268
29	Goose Lake	34	8,293	48,998	51,545	—	—	5,746
9	Graben Coulee	19	4,033	4,405	1,323	2,746	—	4,369
	Gypsy Basin	—	749	—	—	—	—	749
	Hardscrabble Creek	—	253	—	—	—	—	253
2	Hay Creek	2	339	17,165	17,028	—	—	476
7	Hiawatha	7	3,485	11,698	9,533	—	—	5,650
1	Hibbard	1	705	281	—	639	—	347
1	Injun Creek	1	833	221	400	—	—	654
6	Ivanhoe	9	2,034	7,645	5,588	460	56	3,575
	Katy Lake	—	1,711	—	—	474	55	1,182
7	Keg Coulee	22	3,336	13,922	8,328	3,880	—	5,050
2	Keg Coulee North	2	663	913	464	—	—	1,112
1	Kelley	5	1,359	4,268	4,648	—	—	979
90	Kevin Sunburst	503	9,693	31,721	26,691	4,594	156	9,973
8	Laird Creek	10	611	5,250	—	5,362	3	496
2	Leary	2	1,781	1,861	—	2,324	11	1,307
1	Little Beaver	24	—	27,946	27,946	—	—	—
2	Little Beaver East*	13	1,280	15,553	15,411	—	—	1,422
1	Lodge Grass	1	646	1,128	—	1,184	—	590
3	Lookout Butte (Coral Creek)	33	422	89,022	88,894	—	—	550
	Mackay Dome	—	1,134	—	—	—	—	1,134
2	Mason Lake	2	823	948	1,035	—	—	736
3	Melstone	5	939	1,852	896	629	—	1,266
1	Mineral Bench	1	412	1,138	1,023	—	—	527
1	Miner's Coulee	1	107	255	—	255	—	107
10	Monarch	15	4,702	18,674	19,158	—	—	4,218
3	Mosser	3	—	739	—	739	—	—
6	Outlook	10	6,791	17,665	17,075	—	—	7,381
1	Outlook South	1	1,064	1,183	894	—	—	1,353
2	Outlook West	2	1,141	2,892	2,982	—	—	1,051
1	Pennel-Lookout Butte	114	—	134,215	134,215	—	—	—
4	Pine	115	17,060	285,880	285,912	—	—	17,028
1	Pole Creek	1	211	—	—	—	—	211
67	Pondera	280	7,540	29,635	31,078	—	—	6,097
7	Poplar	66	9,819	60,058	58,681	—	116	11,080
3	Poplar Northwest	3	1,901	1,246	1,971	—	—	1,176
	Prairie Elk	—	871	—	—	—	—	871
4	Pritchard Creek	4	167	3,138	3,138	—	—	167
4	Ragged Point	12	2,320	5,332	4,297	—	—	3,355
2	Rattlesnake Coulee	2	596	409	592	—	—	413
2	Reagan	48	485	21,966	21,903	—	—	548
1	Red Creek	21	—	18,533	18,533	—	—	—
1	Red Fox	1	436	2,798	2,995	—	—	239
1	Redstone	1	868	3,974	4,165	—	—	677
1	Repeat	1	410	2,219	—	2,163	—	466
5	Reserve	5	—	13,282	13,282	—	—	—
1	Richey	1	778	241	636	—	—	383
1	Richey Southwest	6	1,550	2,997	—	3,765	—	782
	Rough Creek	—	266	—	—	—	—	266
1	Rush Mountain	1	1,028	3,065	3,338	—	—	755
6	Sand Creek	8	2,315	7,731	7,644	—	—	2,402
1	Shotgun Creek	1	611	503	—	609	—	505
1	Sidney	1	880	7,997	—	7,997	—	880
1	Snyder	1	1,261	781	—	1,470	—	572
6	Soap Creek	17	3,608	4,648	—	4,810	—	3,446
1	Spring Lake	2	3,789	3,180	—	2,103	—	4,866
1	Stensvad	11	1,997	16,897	15,199	—	—	3,695
11	Sumatra	73	10,676	64,889	58,136	—	—	17,429
5	Tule Creek	6	3,669	37,808	—	38,072	—	3,405
2	Tule Creek East	2	826	10,962	—	11,283	—	505
2	Tule Creek South	3	1,656	5,072	—	5,487	17	1,224
2	Vida	2	657	1,408	—	1,551	—	514
3	Volt	4	2,345	14,031	13,192	—	—	3,184
2	Weed Creek	3	575	3,997	4,104	—	2	466
4	Weldon	8	1,173	30,011	29,831	—	—	1,353
1	West Butte	1	—	2,459	—	2,459	—	—
16	Whitlash	44	7,548	13,026	13,637	—	—	6,937
1	Whitlash West	1	697	256	414	—	—	539
	Wibaux	—	132	—	—	—	—	132
2	Willis Creek South	2	—	3,259	3,259	—	—	—
6	Wolf Springs	9	5,136	4,702	6,081	—	—	3,757
2	Woodrow	2	286	2,373	2,296	—	—	363
3	Wright Creek	5	2,649	5,243	5,752	—	—	2,140
1	Wildcat, Blaine County	1	310	255	—	—	—	565
	Wildcat, Carbon County	—	310	—	—	—	—	310
1	Wildcat, Fallon County	3	1,897	11,729	—	11,384	—	2,242
2	Wildcat, Glacier County	5	2,086	1,254	2,043	—	238	1,059
1	Wildcat, Liberty County	1	381	106	—	—	—	487
1	Wildcat, Musselshell County	1	—	8,905	—	8,076	—	829
4	Wildcat, Richland County	4	2,801	36,115	—	37,427	—	1,489
2	Wildcat, Toole County	2	—	2,291	2,291	—	—	—
795	Total	3,449	392,877	3,298,973	3,062,383	236,094	5,632	387,741

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls Shipped	Daily Average
Year, 1969	43,954,112	120,422	44,000,342	120,549
1st Quarter, 1970	3,248,307	108,306	3,241,593	108,062
April, 1970	3,060,479	102,016	3,026,413	100,880
May, 1970	3,298,973	106,418	3,298,477	106,402

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total oil In Storage‡
December, 1969	351,210	1,237,355	731,177	2,319,742
March, 1970	362,487	1,382,147	387,559	2,132,193
April, 1970	392,877	1,372,996	750,542	2,516,415
May, 1970	387,741	1,651,855	1,076,691	3,116,287

*Montana Oil Only. ‡Includes Wyoming Oil.

TRANSPORTERS REPORT—MONTH OF MAY, 1970

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,523				2,523		
BAINVILLE—									
Rock Island Oil & Ref. Co.			6,387				6,387		
BEAR'S DEN—Truck			1,030				1,030		
BELL CREEK—Pipelines		709,850					545,959	94,269	69,622
BIG WALL—									
Continental Pipeline Co.		10,525				10,525			
BLACKFOOT—									
Camerland Cardinal Corp.		4,278						4,278	
BORDER—Permian Corp.			1,429					1,429	
BOWES—Texaco Inc.		14,820				14,820			
BRORSON-MADISON—Pipelines		6,015						6,015	
BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—									
Rock Island Oil & Ref. Co.			36,097				36,097		
BRUSH LAKE—Portal Pipeline Co.		35,805					35,805		
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	375,588	798,689	24,525	649,825			1,506,622		341,005
Shell Pipeline Co.	3,779	320,111			126			318,886	4,878
	379,367	1,118,800	24,525	648,825	126		1,506,622	318,886	345,883
CAT CREEK—									
Continental Pipeline Co.		11,863				11,863			
Truck			2,048			2,048			
		11,863	2,048			13,911			
COW CREEK—West. Crude Oil, Inc.		720					720		
CULBERTSON—Tesoro Petr. Corp.			4,914					4,914	
CUT BANK—									
Continental Pipeline Co.			11,333	199,463				210,796	
Phillips Petroleum Co.	99,106	110,236		13,857	3,642	57,171		40,350	122,036
Texas Pipeline Co.	26,511	80,927		45,765	400			114,284	38,519
Union Oil Co.	88,792	83,747		34,696	(122)	53,206			154,151
Western Oil Trans. Co.		38,499						38,499	
Western Oil Trans. (Moulton)		69,152						69,152	
	214,409	382,561	11,333	293,781	3,920	110,377		473,081	314,706
DELPHIA—Truck			412			412			
DWYER—Portal Pipeline Co.		19,447					19,447		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		184,026				184,026			
FAIRVIEW—Fairview Pipeline Co.		46,956					46,956		
FLAT COULEE—									
Camerland Cardinal Corp.		10,182				836		9,346	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		73,105					73,105		
FRANNIE—Interstate Pipeline Co.		620					620		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	17,390	49,751				35,376		9,097	22,668
GAGE & GAGE SOUTHWEST—									
Truck			200			200			
GIRARD—									
Rock Island Oil & Ref. Co.			6,149				6,149		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	6,107	31,734			(469)			31,021	7,289
GOOSE LAKE—									
Portal Pipeline Co.		43,714					43,714		
HAY CREEK—									
Fairview Pipeline Co.		17,028					17,028		
HIAWATHA—									
Continental Pipeline Co.		9,278					9,278		
HIBBARD—Truck			639			639			
INJUN CREEK—Permian Corp.		400					400		
IVANHOE—									
Continental Pipeline Co.		5,771	460			5,771	460		
KATY LAKE—Rock Island Oil & Ref Co.			474				474		
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		9,013	3,880			12,893			
KELLEY—									
Continental Pipeline Co.		4,648				4,648			
KEVIN SUNBURST—									
Big West Oil Co.	4,764								4,764
Homestake Oil & Gas Co.	2,049	2,224							4,273
Texas Pipeline Co.	7,941	11,457		4,419	200			15,743	7,874
	14,754	13,681		4,419	200			15,743	16,911
LEARY—Permian Corp.			2,324				2,324		
LODGE GRASS—Permian Corp.			1,184			1,184			
MASON LAKE—									
Continental Pipeline Co.		1,035				1,035			
MELSTONE—Truck			629				629		
Continental Pipeline Co.		896				896			
		896	629			896	629		
MOSSER—Truck			739				739		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—									
Portal Pipeline Co.		20,950					20,950		
PONDERA—Phillips Petr. Co.	42,355	32,500			(2,287)	40,744			36,398
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	16,767	105,374			468			106,750	14,923
RAGGED POINT—									
Continental Pipeline Co.		4,050				4,050			
RED CREEK—									
Western Oil Transportation Co.		20,755						20,755	
RESERVE—Portal Pipeline Co.		13,323					13,323		
RUSH MOUNTAIN—									
Sinclair Refining Co.		3,338					3,338		
SHOTGUN CREEK—Truck			609				609		
SIDNEY—Truck			7,997					7,997	
SNYDER—Truck			1,470			1,470			
SOAP CREEK—Permian Corp.			4,810				4,810		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			2,103				2,103		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	679,549	73,698		1,196,994	(302)	60,831		1,067,964	821,748
TULE CREEK—Tesero Petr. Corp.	2,298		49,355			49,946			1,707
Permian Corporation			5,487			5,487			
	2,298		54,842			55,433			1,707
WEED CREEK—									
Continental Pipeline Co.		4,104				4,104			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		15,672				15,672			
WOLF SPRINGS—									
Continental Pipeline Co.		6,081				6,081			
WILDCAT WELLS—Truck			56,887				56,887		
TOTALS	1,372,996	3,116,367	236,094	2,144,019	1,656	585,934	2,458,486	2,171,545	1,651,855

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat. Richey, Richey Southwest, Weldon and Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF MAY, 1970

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall	———	10,525	———	———	———	———	———	———	———	10,525
Bowes	———	———	9,827	———	———	———	———	———	———	9,827
Cat Creek	———	2,303	———	7,414	———	822	———	———	———	10,539
Cut Bank	10,000	———	———	———	———	———	44,072	———	56,305	110,377
Delphia	———	———	———	———	———	176	———	———	———	176
Elk Basin	———	71,496	———	47,593	64,937	———	———	———	———	184,026
Flat Coulee	———	———	———	———	———	———	———	———	836	836
Fred & George Creek	35,376	———	———	———	———	———	———	———	———	35,376
Gage & Gage Southwest	———	———	———	———	———	158	———	———	———	158
Hibbard	———	———	———	———	———	236	———	———	———	236
Ivanhoe	———	5,771	———	———	———	———	———	———	———	5,771
Keg Coulee	———	6,997	———	5,896	———	———	———	———	———	12,893
Kelley	———	———	———	———	4,648	———	———	———	———	4,648
Kevin Sunburst	26,500	———	———	———	———	———	———	———	———	26,500
Lodge Grass	———	1,184	———	———	———	———	———	———	———	1,184
Mason Lake	———	1,035	———	———	———	———	———	———	———	1,035
Melstone	———	———	———	896	———	———	———	———	———	896
Pondera	———	———	———	———	———	———	40,744	———	———	40,744
Ragged Point	———	———	———	4,050	———	———	———	———	———	4,050
Sand Creek	———	———	———	———	———	2	———	———	———	2
Snyder	———	1,470	———	———	———	———	———	———	———	1,470
Sumatra & Stensvad	———	13,726	———	47,105	11,230	———	———	———	———	72,061
Tule Creek	———	———	———	———	———	———	———	62,827	———	62,827
Weed Creek	———	———	———	———	4,104	———	———	———	———	4,104
Whitlash	———	———	———	———	———	———	15,672	———	———	15,672
Wolf Springs	———	———	———	———	6,081	———	———	———	———	6,081
Total Montana Oil	71,876	114,507	9,827	112,954	91,000	1,394	100,488	62,827	57,141	622,014
Canadian Oil Imported	———	169,094	———	106,879	120,288	———	———	———	———	396,261
Wyoming Oil Imported	———	220,688	———	520,480	880,133	———	———	———	———	1,621,301
Total Montana, Canadian, and Wyoming Oil	71,876	504,289	9,827	740,313	1,091,421	1,394	100,488	62,827	57,141	2,639,576

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1969	25,966	13,237	71,981	111,184
May, 1969	21,867	15,014	70,001	106,882
May, 1970	20,065	12,783	52,300	85,148

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
23.35%	11.91%	64.74%
20.46%	14.05%	65.49%
23.56%	15.01%	61.43%